

POLE ERECTION

The following written procedure is provided as a general guideline. It is recommended that contractors with specific knowledge or familiarity with these types of installations, draw upon their personal experience and expertise during the erection process. It is recommended that no work be performed on any structure until design approval has been granted and all necessary materials have been delivered and inspected.

The entire pole assembly should be fully assembled on the ground per the recommended Whitco installation instructions on the previous pages. It should then be rigged with Nylon straps in preparation for the lifting or erection process. Nylon straps should be used in lieu of chains, which could damage the finish of the pole. The strap should be placed through the hand hole at the base of the pole and then through the hole in the center of the base plate or the base of the pole for embedded pole applications (see figure 56). A tag-line should be attached at approximately 75% of the pole height to stabilize the pole during erection. The come-alongs used in the assembly of the pole sections should remain attached to the "D" rings during the erection process. The pole assembly should be lifted initially from the Tag/Rig point at 75% of the pole elevation. As the pole is raised and approaches a vertical position, the weight/lift point transfers to the Rig position at the base of the pole assembly.

The pole assembly should be slowly lowered either into the augured hole, onto the flange of the stub base or onto the anchor bolts for embedded, stub and anchor base installations respectively. For anchor base type poles, please install leveling nuts before the pole is lifted into position.

The procedure outlined above should be used only as a general guideline. It is the sole responsibility of the crane operator to select suitable lifting equipment and ultimately determine the correct rigging requirements and positions for lifting and setting. Erection of the poles should only be performed by an experienced and competent crane operator. Great care should be taken to avoid sudden movements or jerking of the pole structure during erection.



Figure 56 - Bottom Lifting Point



Figure 57 - Top Tag/Rigging Point

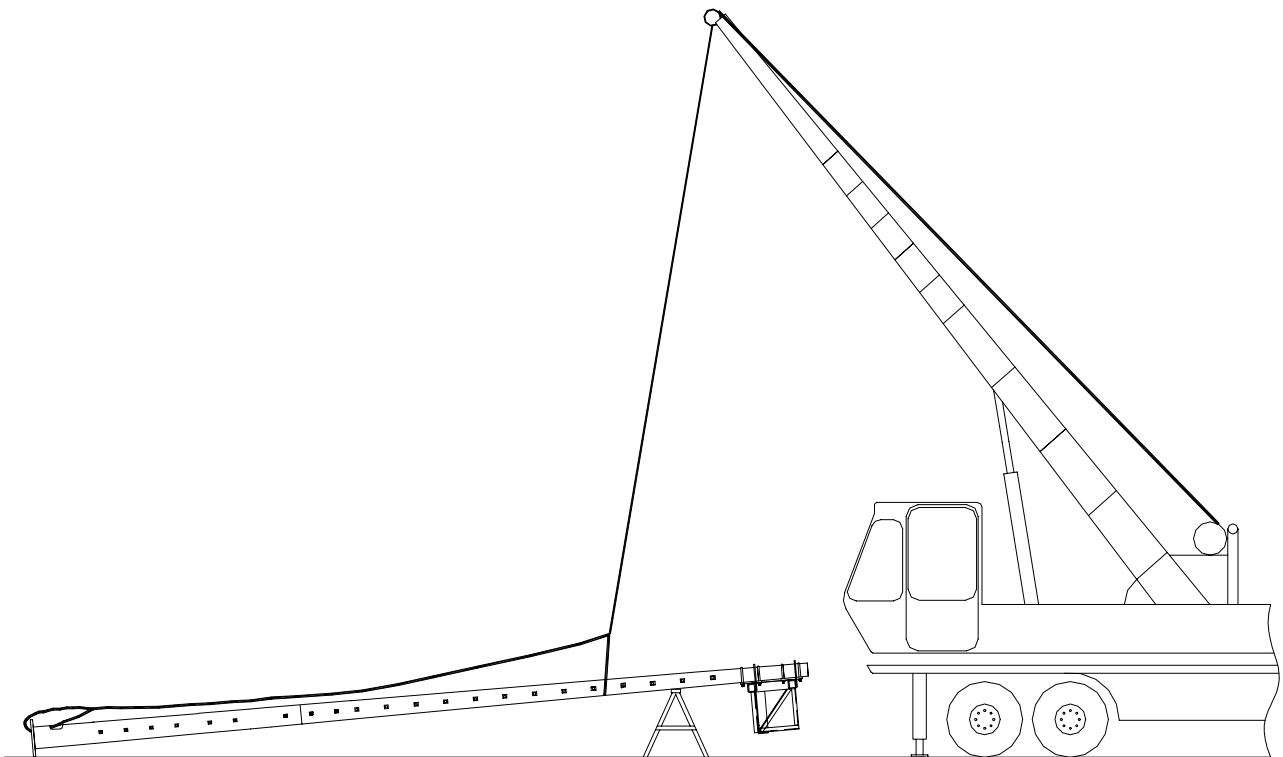


Figure 58 - Pole Erection

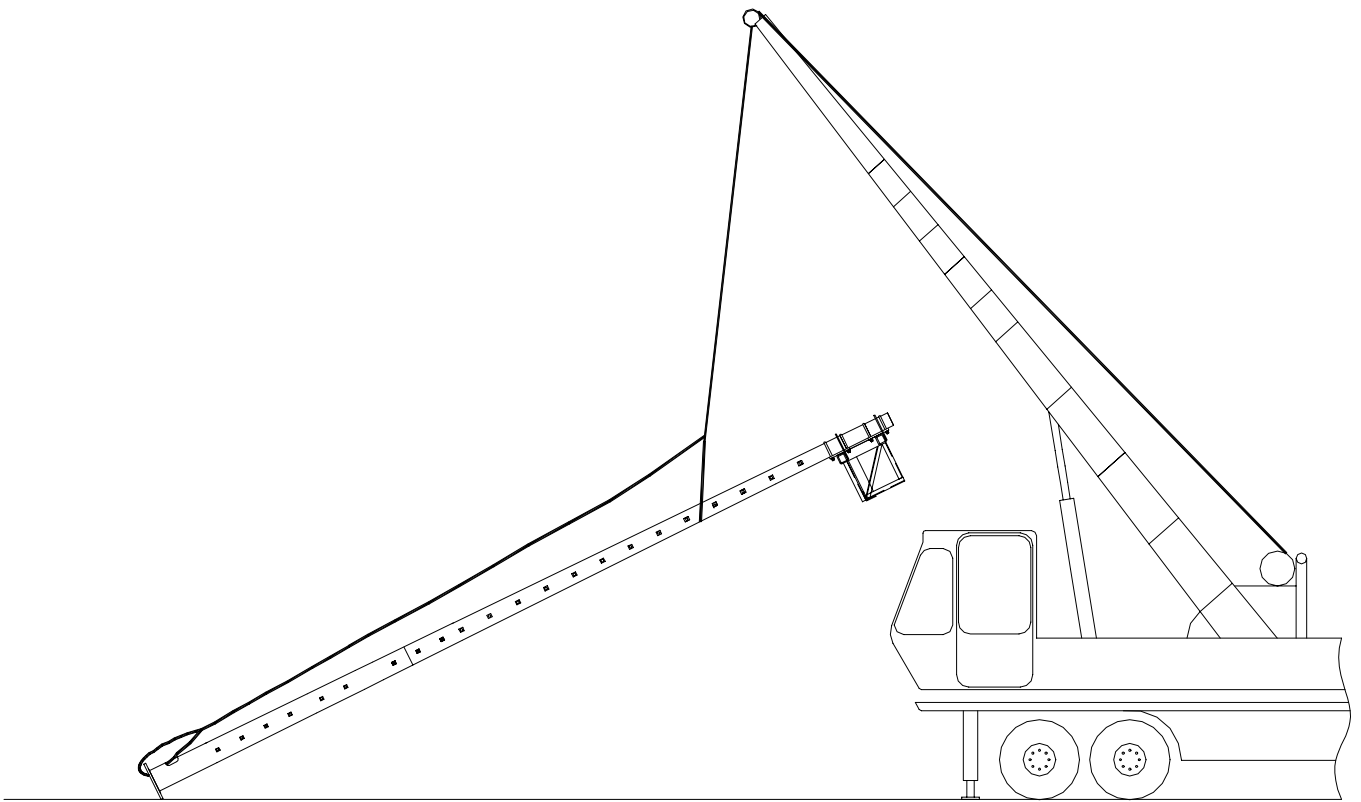


Figure 59 - Pole Erection

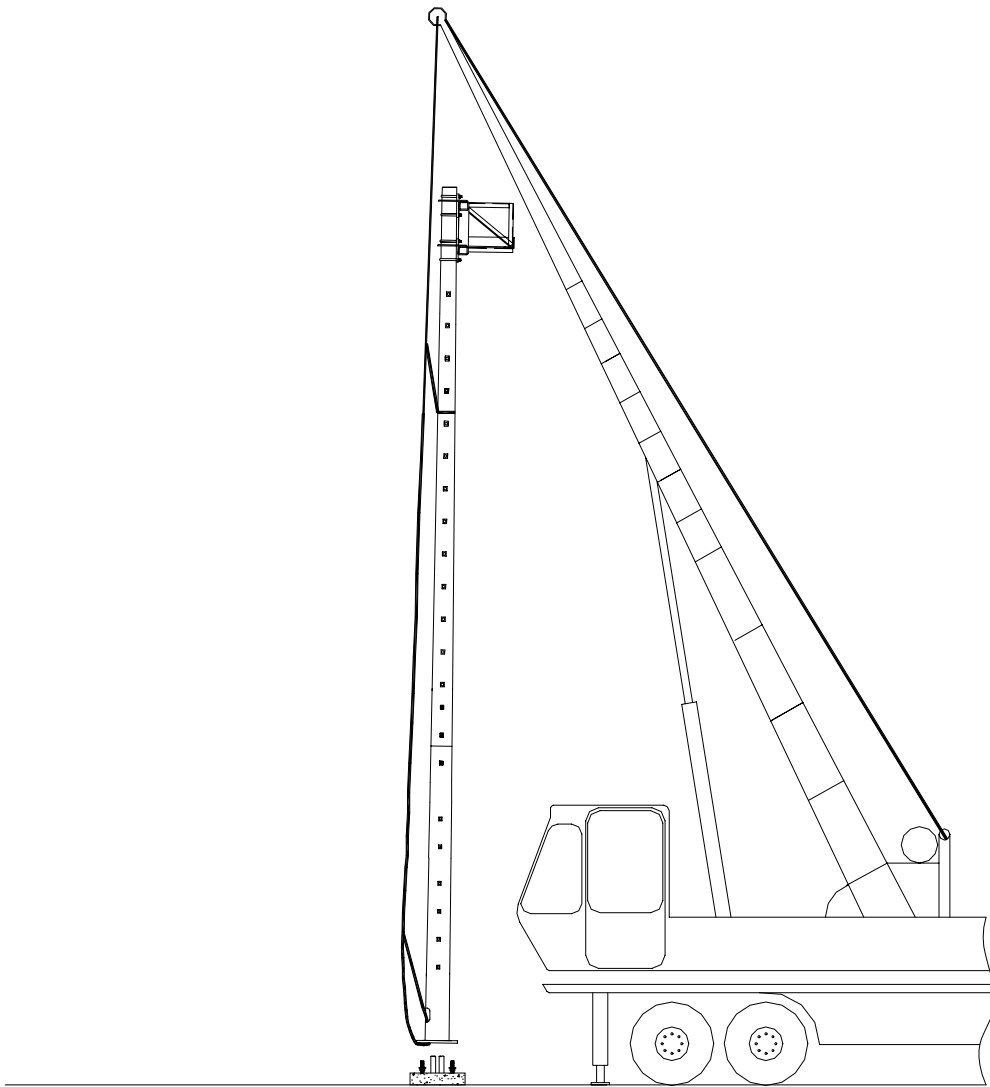


Figure 60 - Pole Erection